What is claimed is:

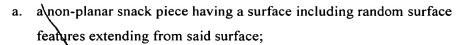
- 1. A plurality of overlapping snack pieces comprising:
 - a. a non-planar snack piece having a surface including random surface features extending from said surface;
 - wherein-said plurality of overlapping snack pieces have a volumetric bulk density of greater than about 8.0x10-5 g/mm³.
- 2. A plurality of overlapping snack pieces according to claim 1, wherein said plurality of overlapping snack pieces are in a nested arrangement.
- 3. A plurality of overlapping snack pieces according to claim 1, wherein said volumetric bulk density is from about 8.0x10⁻⁵ g/mm³ to about 80 x 10⁻⁵ g/mm³.
- 4. A plurality of overlapping snack pieces according to claim'l, wherein said snack piece has a concave curvature.
- 5. A plurality of overlapping snack pieces according to claim 4, wherein said snack piece has a bowl-shaped curvature.
- 6. A plurality of overlapping snack pieces according to claim 1, wherein said body a segment of a sphere cap.
- 7. A plurality of overlapping snack pieces according to claim 5, wherein said snack piece has a radius of curvature from about 5 mm to about 500 mm.
- 8. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece has a modulus of elasticity from about 0.1 g/mm² to about 6.0 g/mm².
- 9. A plurality of overlapping snack pieces according to claim 2, wherein said snack piece having a maximum thickness from about 2.5 mm to about 5.5 mm.
- 10. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece contains a lipid content from about 18% to about 40%.
- 11. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece has a density from about $1.0 \times 10^{-4} \text{ g/mm}^3$ to about $17 \times 10^{-4} \text{ g/mm}^3$.
- 12. A plurality of overlapping snack pieces according to claim 1, wherein each of said snack pieces in said plurality of overlapping snack pieces are consistent in size and shape.
- 13. A plurality of overlapping snack pieces according to claim 1, wherein said snack piece is contained in a package.

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- plurality of overlapping snack pieces according to claim 14, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed bulk density from about 10 x 10⁻⁵ g/mm³ to about 35 x 10⁻⁵ g/mm³.
- 15. A plurality of overlapping snack pieces comprising:
 - a. a non-planar snack piece has a concave curvature;
 - b. wherein said plurality of overlapping snack pieces have a volumetric bulk density of greater than about 8.0x10⁻⁵ g/mm³.

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- 16. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece has a bowl-shaped curvature.
- 17. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece is a segment from a sphere cap.
- 18. A plurality of overlapping snack pieces according to claim 16, wherein said volumetric bulk density is from about 8.0 x 10⁻⁵ g/mm³ to about 80 x 10⁻⁵ g/mm³.
- 19. A plurality of overlapping snack pieces according to claim 16, wherein said snack piece having a lipid content from about 18% to about 40%.
- 20. A plurality of overlapping snack pieces according to claim 16, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed bulk density from about 10 x 10⁻⁵ g/mm³ to about 35 x 10⁻⁵ g/mm³.
- 21 A plurality of overlapping snack pieces comprising:
 - a. a non-planar snack piece having a maximum thickness greater than about2.5 mm;
 - b. wherein said plurality of overlapping snack pieces have a volumetric bulk density of greater than about $8.0 \times 10^{-5} \text{ g/mm}^3$
- 22. A plurality of overlapping snack pieces according to claim 22, wherein said snack piece having a lipid content from about 18% to about 40%.
- 23. A plurality of overlapping snack pieces comprising:
 - a. a non-planar shack piece having a concave curvature;
 - b. wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed volumetric bulk density greater than about 10 x 10-5 g/mm³ to about 35 x 10-5 g/mm³.
- \$4. A plurality of overlapping snack pieces comprising:



- b. wherein said plurality of overlapping snack pieces have a linear bulk density of greater than about 0.4 g/mm³.
- 25. A plurality of overlapping snack pieces according to claim 25, wherein said snack piece has a concave curvature.
- 26. A plurality of overlapping snack pieces according to claim 26, wherein said snack piece has a bowl-shaped curvature.
- 27. A plurality of overlapping snack pieces according to claim 27, wherein said body a segment of a sphere cap.
- 28 A plurality of overlapping snack pieces comprising:
 - a. a snack piece having a lipid content of less than about 23% by weight of the snack piece;
 - b. wherein said plurality of overlapping snack pieces have a volumetric bulk density from about 8.0 x 10⁻⁵ g/mm³ to about 80_x 10⁻⁵ g/mm³.
- plurality of overlapping snack pieces according to claim 29, wherein said plurality of overlapping snack pieces is placed in a package, said package having a packed volumetric bulk density from about 10 x 10-5 g/mm³ to about 35 x 10-5 g/mm³.
- 30. A method for making a high bulk density plurality of overlapping thick snack pieces, said method comprising the steps of:
 - a. controlling the radius of curvature of the chip by placing a dough piece of said snack piece adjacent to predetermined curved restraining device having a radius of curvature from 5 mm to about 500 mm;
 - cooking said dough piece while said dough piece is restrained by said curved restraining device until said dough piece transforms into said final snack piece having a surface wherein random surface features extend from said surface; and
 - c. placing said snack piece adjacent to other of said snack pieces to form said plurality of overlapping snack pieces, wherein said plurality of overlapping snack pieces having a volumetric bulk density greater than 8.0 x 10⁻⁵ g/mm³.